



The

# GARzette

The Official Newsletter of the Gwinnett Amateur Radio Society  
October 2013 <http://www.gars.org/> Volume 22, Issue 10



## The Shy Fox (Hunt)



For the "Rest of the Story", check inside.

Join us October 8th at our next meeting (see inside)!

# Message From The President

**A**s you probably figured out from the cover art, earlier this month we had the GARS "Shy Fox" direction finding adventure. We had fourteen people searching for the fox and I am happy to say everyone found the fox safely and in less than three hours. It was a great deal of fun and I am sure many lessons were learned. Be sure to check out the information elsewhere in this edition about the hunt. These things are fun and we need to do more of them.



Kyle Albritton—W4KDA

**I**n October, ARES has its annual [Simulated Emergency Test](#) [SET], so you may hear some official sounding chatter on the morning of the 5<sup>th</sup> on the GARS repeaters. Later this month, on the 26<sup>th</sup>, GARS will participate in the CQ World Wide SSB contest. We plan to do this event as a "Show and Tell", so come on out to see and learn how to work a contest. We plan to set up an HF antenna, radio, two projectors, contesting software, and all the other goodies you need work a contest. Event details will be posted on [www.gars.org](http://www.gars.org) once we nail down our operating location and everyone is invited (and encouraged) to attend.

**A**lso upcoming, in November, we have the [Stone Mountain Hamfest](#) right here in our back yard [at the Gwinnett County Fairgrounds], followed by HamJam the next weekend, and Ham Radio Outlet's Manufacturer's appreciation day the next weekend. In December we have the GARS Holiday Party on the evening of the 6<sup>th</sup>, followed by a Technician class ham cram class on the 14<sup>th</sup>. Early next year we have TechFest, some kits building and learning to soldering sessions, and GARS will be offering CW classes. The fun and learning just never stops!

**T**his month's GARS meeting will feature a presentation from Jim Worthington AD4J about Antenna Modeling. Also, Hal Collier W4IGE, our [Gwinnett County ARES](#) Emergency Coordinator will talk with us briefly about what ARES does and why you should consider joining the service. November is The Massive Homebrew Show and Tell. You still have time to finish that project and bring it to the November meeting to show it and inspire all our members. Two great meetings you just do not want to miss!

**A**s always, may you have great health, wealth, and all your contacts be 59,

*Kyle,* W4KDA



# GARS October Meeting

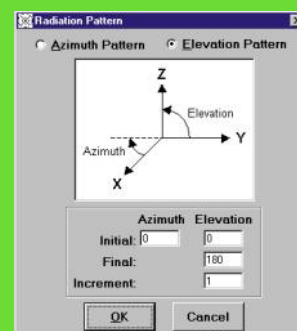
## ***Antenna Modeling***

By Jim Worthington - AD4J

Meetings are held on the 2nd Tuesday of each month at 7pm.  
(except December)

Sports Aviation Complex - Hangar 1  
690 Airport Road  
Lawrenceville, GA 30045

[Directions](#)



### **! SPECIAL NOTICE !**

### **! SPECIAL NOTICE !**

### **! SPECIAL NOTICE !**

In case you have not heard, the government shutdown has put the FCC processing of Amateur Radio applications on hold. This includes new licenses, renewals, and vanity call sign grants.

<http://www.arrl.org/news/view/fcc-closed-licensing-functions-on-hold>

73 - *Dave Bruse*, W4DTR

GARS Exam Team Leader



## GARS is hosting a Contesting Show and Tell



Date: October 26

Time: 10:00 am till 2:00 pm

Where: EAA Hangar (our regular meeting place)

What: We will set up a station with projected screens for radio and logging software and demonstrate operating in a very active Single Sideband contest.

CQWW SSB IS one of the most active voice contests and we want to demonstrate the process and excitement of contesting. We have arranged to operate remote into a station with very modern equipment so the lack of antenna structure at the hangar should not be a problem. We may even set up a local station so we can make some additional contacts.

We would like to know if you plan to attend, so send a note to [wa4zxv@arrl.net](mailto:wa4zxv@arrl.net) if you plan to attend.

*Norm* WA4ZXV



# Shy Fox Hunt Story

GARS Shy Fox 2013  
"From the Fox's Point of View"  
by Kyle Albritton W4KDA

It seemed like everyone had a great time hunting this year's fox. For every fox hunt I have been involved with, I try to teach specific direction finding and equipment use lessons. For this hunt, the fox was broadcasting through the GARS 147.075 repeater. This meant the fox was transmitting using an offset and including a tone. This is a real-life scenario you might run into when a PTT is stuck on a radio in a parked car for example.



For this event, the goals include knowing to listen "on reverse" (the repeater input frequency) and realizing that the GARS repeater system uses remote inputs to hop small signals into a repeater with a big output coverage area. Anyone not listening on reverse would end up finding the repeater transmitter, and the way this one was designed, at the transmitter the fox could not be heard.



The fox voice was created using a laptop running a free amateur radio contesting program called Voicekeyer. Voicekeyer can be set up to broadcast a sound file message on a schedule, and I created a taunting voice message to make hams aware of the project and to encourage them to find the fox. Using my home-brew rig interface I use for digital communications, the PC was connected to a IC-706MK2G running 3W, into 50' of RG58 (high-loss) coax, into a "negative gain" antenna. I estimate the ERP (effective radiated power) was probably around a 1W to 1.5W. This was done to limit the range of the transmitter so it could not be heard all over the county. Then we placed the fox close to one of the GARS remote inputs so it could be heard by and transmitted out of the repeater system.



Dave Bruse W4DTR helped and we had fun working together as the fox. We set up a little 6x6 tent in case it rained. Well it did. We had a great, cool rain most of the morning, although it did not appear to dampen spirits. Before the event was done, we squeezed 16 people under that little tent!

The fox hunt started at the Golden Coral right after the GARS family breakfast. The fox hunt ended at the Duluth City Hall, right by Stevearinos Pizza. As you might guess, in true radio amateur fashion, most of the participants went there for lunch to yet again mix food, radio, good times, and fun with friends into another successful GARS adventure. ■



(continued on page 5)



# Shy Fox Hunt Story (cont'd)

(Continued from page 4)

## GARS Shy Fox 2013 Results

### Winning Team:

W4IGE  
KK4SQI  
AK4TL  
Hope "H0PE"

### Other Teams:

K4KME  
KJ4ZAS

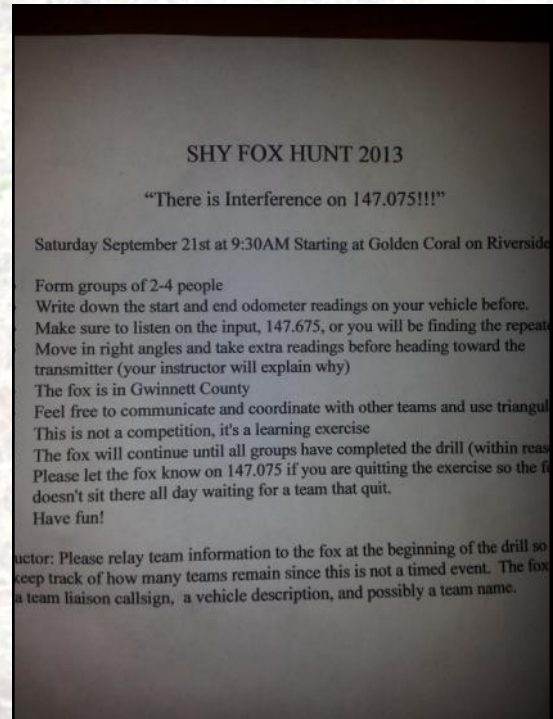
KA4KKF  
WB4QDX

KA4YZR  
WA4ZXV  
ND4V

KK4CRL  
KK4KHS  
KK4TPW

### Fox:

W4KDA  
W4DTR





# A Letter from Greg Sarratt, W4OZK

Dear American Radio Relay League Member:

It's hard to believe that my second three-year term as ARRL Director is almost over. I want to thank you for your continued support and confidence. I greatly enjoy my tenure as Director and again ask for your vote to continue my ARRL service.

The ARRL will send you election balloting information around October 1st and I ask for you to vote for Greg Sarratt, W4OZK and Jim Millsap, WB4NWS as your ARRL Southeastern Division Representatives. We are your only choice with ARRL experience, which is a critical requirement for these positions in the ARRL Corporation.

Serving as Director of the ARRL's largest Division has been an invaluable experience and important responsibility for me. My travel around the Division and work on several ARRL committees has been a great opportunity for me to help advance amateur radio. I enjoy meeting many fine amateurs all across the Division and learning about your activities, ideas and concerns, which has helped to shape my successful member-driven thinking.

The Vice-Director and I attend many hamfests and club meetings and have represented amateur radio at emergency communications events such as, the National Hurricane Conference, ARES meetings, International Association of Emergency Managers Conference and other events.

I have served on the ARRL Administrative and Finance Committee, Programs and Services Committee, served as chairman of the Ethics and Elections Committee and Narrowband Committee and served as liaison to the VHF/UHF Advisory Committee and Emergency Communications Advisory Committee. I am currently a member of the ARRL Programs and Services Committee and liaison to the Emergency Communications Advisory Committee.

My service as ARRL Alabama Section Manager for four years and service as Technical Coordinator and Technical Specialist was fulfilling and my work as ARRL Southeastern Division Director has been even more rewarding. This combined service has given me the opportunity to build expertise in many areas; establishing relationships, gain valuable experience working with ARRL headquarters, other ARRL Directors, DX enthusiast, VHF/UHF, disaster relief, public service, education, contesters, hamfests, clubs, operating events, youth members and digital operations.

I am an ARRL life member, a second-generation ham and have been active in many areas of amateur radio for over 25 years and pride myself on being an avid emergency communications leader, new technology promoter, competitive contest participant and I encourage a new generation of hams to join our hobby by establishing youth programs and working to ensure their success.

Jim Millsap was first licensed as WB4GFA in July of 1967 and started out on six meter AM. Jim enjoys DX and served two terms as President of Cherokee Amateur Radio Society and Public Information Officer since 2002. Jim served as AEC and EC for Cherokee County ARES, and currently serves as DEC for Metro Atlanta District and he is an ARRL Volunteer Examiner and men-

*continued on page 7)*



# A Letter from Greg Sarratt, W4OZK (Cont'd)

*(Continued from page 6)*

tor/instructor. As Vice Director, Jim attended many ham club meetings to promote ARRL membership and speak. Jim implemented and served as Net Manager for the PSK31 Georgia ARES net. Jim also established relationships with Georgia National Guard and Civil Support Team (CST) and supported their joint exercises with Amateur Radio. In addition, Jim serves as an Amateur Radio liaison to the Atlanta Integrated Warning Team (IWT) to provide support to News media and National Weather Service, member of the Atlanta Urban Area Security Initiative (UASI) for Disaster Communications and is a Certified AuxComm and COMT instructor.

Jim's qualifications as an ARRL member, experience as ARRL Vice-Director, experience ARRL EC, AEC and DEC, a proven leader in supporting emergency communications, liaison to clubs, DX enthusiasts, and building quality relationships between ARRL staff, served agencies and hams, provide him with the type of quality representation each of you deserve.

Because of our vast experience, we represent you on the ARRL Board, and at many ARRL and amateur radio functions. Jim and I are your only choices with ARRL experience and with your continued support during the election and next term as ARRL Southeastern Division Representatives; we plan to continue to represent the entire Southeastern Division through our proven success, performance, integrity, leadership, contributions and experience. We will continue to promote all facets of our great hobby!

## **You ARE amateur radio. Your voice counts. Your vote counts.**

We are asking for your personal endorsement, support and votes from your clubs and groups. Please call your friends in Alabama, Georgia, Florida, Puerto Rico, and the U.S. Virgin Islands and ask them to

## **Re-Elect Greg Sarratt, W4OZK and Jim Millsap, WB4NWS as your ARRL Southeastern Division Representatives!**

Together we can continue make a positive impact for amateur radio! I would appreciate your vote and support in re-electing us. For more information regarding our candidacy for ARRL Southeastern Division Director and Vice-Director visit our websites at, [www.w4ozk.com](http://www.w4ozk.com) and <https://sites.google.com/site/wb4nws/>.

Thank you & 73,  
Greg Sarratt, W4OZK  
ARRL Southeastern Division Director

Jim Millsap, WB4NWS  
ARRL Southeastern Division Vice-Director



# My Blue Star P-1(portable) Antenna Modified

Here is an awesome antenna called a Blue Star P-1. It has a manually adjustable coil "tap" in the middle. It is a portable antenna with a bracket. It comes with a 42 inch telescoping stinger. So I thought I would see if it could be made into a mobile antenna with some adjustments. So the first thing I did was mount it on a 3/8 inch diamond hatch lid mount on the rear of my SUV.



Next I took the telescoping "walkie talkie" type antenna off and replace it with a 48 inch stinger conveniently available on Hamsticks. I had an extra 20 meter Hamstick, so I removed the stinger and installed it on the Blue Star P-1. It worked fantastic. I was able to make the same contacts as I do with my Hamstick. I decided to test it against the ham stick. I called a station in Texas who had a nice 57 on the meter. I explain to him what I was up to and he said he was glad to help. As it turned out the ham steak is a bit taller even though it has the same sized stinger on the top and the results were that the Hamstick was 1 S-unit stronger than the Blue Star. We were on 14.260. That got me thinking what would happen if I found a taller whip to put on the top. I came up with an 8 foot fiberglass whip measuring 96 inches with a 3/8 inch connection on the bottom. Now the whole antenna is 12 feet off the ground! Not exactly great for mobile. I did the same test with a guy in Texas and the results were that the 96" whip on the same Blue Star tunable antenna had 2 S-units stronger signal on his end. That was significant. Some of the stronger stations that are usually S-9 were 40 over S-9.



The 8 foot whip at 12 feet above the ground tends to strike a lot of trees along the road. I'm currently looking for a 6 foot whip that I can attach. That would make the antenna 10 feet off the ground and not as likely to strike low hanging tree limbs.

The last thing that I did was to make this portable antenna more mobile by weatherizing the coil. It just figures that water on the coil could change the length to the antenna significantly and cause a lot of other problems. I went to Home Depot and purchased schedule 40 PVC pipe in a 9 inch length. They were nice enough to cut it for me. The coil on the Blue Star antenna is 8 inches. Then I found two black drain caps for the PVC pipe. They fit snugly. In order to make them fit over the antenna I used my knife and cut an X in the center of the black drain cover. Now the antenna will slip right through the hole and stay snug so no water will get inside. One disadvantage is that once you cover the antenna you can't change the coil



settings. However, 20 meters, 17 meters, 15 meters, 12 meters, and 10 meters all work rather well with the coil slider set at five and a half inches from the coil base. Of course you have to use a tuner. On the one hand if you use a tuner how does the adjustable coil help you? The answer is that you don't have to take a separate antenna for each band that you want to use. What's better is that you set the coil and then use the tuner. You have to decide ahead of time if you're going to work 20 and up or 40 and down. That means only one adjustment. When its not raining you can simply hand adjust the coil when you want to work 40 meters and lower. I find using one antenna is always easier

than having multiple antennas for HF mobile use.

The Blue Star antenna comes apart and will fit in a pouch no longer than 12 inches . Its a superb portable antenna. It only cost \$100 new. And if you spend 5-6 dollars at Home Depot and add a 6-foot whip it becomes a much better antenna than a regular ham stick.



Let me finish by just saying a manually tuned coil is not as convenient as a screwdriver with a mechanically adjusted coil. But it's a lot cheaper. A screwdriver type antenna will cost three to four hundred dollars.

After all I had fun playing modifying the Blue Star P-1. I was pleasantly surprised with the results. How about you? What antenna projects are you working on? ■

*Jeff Catchins*—AB4HF





# DX News



C82DX will be on the air in mid-October for 11 days, October 15th thru 22nd, concentrating on low-bands.

The webpage for this DXpedition is <http://www.c82dx.com>. Noted DXpeditioners N1DG and N4XP are heading up this group that includes NF4A and W6OAT among an excellent group of operators.

I'm tagging along to see if I can hand out a few contacts. Actually, I am very honored to have been asked along on this DXpedition and I hope to work many of you.

73, Tad, WF4W [via NFARL eNEWS, Ed]



## Wake Island K9W Dxpediton

Here is a relatively rare DXpedition, Wake Island - K9W, to be QRV 7 October to 18 October. You can read about it at <http://www.wake2013.org>. [Found on the web, Ed]



# Ham Radio News In Our Area

The Mill Springs Academy recently held an Amateur Radio Contact with the ISS.  
The NASA program is called ARISS.

Members of North Fulton Amateur Radio League, NFARL, supplied equipment and talent to MSA for a radio contact with the International Space Station. Martha Muir, W4MSA, the schools Science teacher made the initial arrangements, and the NFARL team went to work to make it happen. I was called by the ARRL and asked to visit the school. So, off I went.

In the photos, you'll see a couple of the antennas, a look at the radio equipment and the auditorium full of future ham radio operators. I missed the setup which was done on a rainy Sunday. When I arrived the auditorium was filling with students, parents and faculty. Antennas were placed near the entrance and cable run into the gym. The radio and operators were piped into the sound system and we could hear both ends of any conversation. The ISS was scheduled to be in range about 10:15 and we were all waiting and listening for them. John made a couple of calls then switched to a second frequency. All of about 300 or so attending were silent in anticipation of an answer from the ISS. It took a couple tries, but then the ISS came into range and Commander Chris Cassidy was there to take questions from several of the students. When John made contact, the whole group applauded. The questions were prepared ahead of time to facilitate quickly moving from one question to another. Several questions were answered and then the ISS was out of range. The students and faculty were delighted to have had this once in a lifetime experience. And it wasn't an everyday occurrence for me either. That was once in 47 years of ham radio. More on the [NFARL.org](http://NFARL.org) web site.

*Norm Schklar*, WA4ZXV, Georgia Section of the ARRL Public Information Coordinator.





HRO Manufacturer's Day  
is November 16<sup>th</sup>.

Pictures of LAST YEAR at the HRO Manufacturer's Day





# HAMJAM 2013



## HAMJAM 2013



By North Fulton Amateur Radio League & Southeastern DX Club

Saturday, November 9, 2013 8:00am -- 1:00pm

Thinking about HamJam 2013 on November 9<sup>th</sup>? Well here are several excuses to attend.

**There is a \$100.00 gift certificate from HRO as a door prize (no purchase necessary) just for being there.**

Raffle prizes are beginning to pile up for the 2013 HamJam! And more are on the way. So far we have the following:

**Yaesu FT- 1200 DX HF XCVR (net value \$2400.00).**

**Kenwood TS-590S HF XCVR (net value \$1600.00)**

**Icom ID-51A Dual Band VHF/UHF XCVR with D-STAR (Net value \$650.00)**

**Diamond Antenna "Anything in the catalog up to \$400.00 (net value \$400.00)**

**SteppIR CrankIR (Net value \$379.00)**

**TenTec FG-01 Antenna Analyzer (net value \$249.00)**

**Buddipole Buddistick (net value \$199.00)**

**Begali keyer (net value \$170.00)**

**MFJ SWR/Watt Meter #868 (Net value \$139.00)**

**Vibroplex Iambic keyer (Net value \$119.00)**

**PLUS numerous ARRL manuals and CQ books and subscriptions!**

All these prizes, and they are all donated by the manufacturers and all proceeds go for **YOUTH SCHOLARSHIPS AND ACTIVITIES!** Please check out <http://hamjam.info> for more information on our fabulous guest speakers and raffle ticket purchasing information.

No charge for attending, and there will be a \$100.00 gift certificate to HRO as a door prize with no purchase of raffle tickets required!

Much more on the web at [www.HamJam.info](http://www.HamJam.info) .

This is preliminary info subject to change. 09/27/2013



# GARS Membership Page

## New GARS Members in September

**Robert Arp (KV4QN)**  
**James Boyd (KB9VTM)**  
**George Clarke (KK4TXJ)**  
**Howard Liverance (N2JCE)**  
**Norbert Nikley (KK4TPW)**

**New Members: 5**

**Total Members as of September 1, 2013**  
**- 244 -**

Join us for our weekly breakfast gathering at 7:30 AM Most Saturdays at:

Golden Corral  
2155 Riverside Parkway  
Lawrenceville, GA 30043  
([Directions](#))

Also, before our Tuesday meeting you are invited to join other GARS members and guests dining at:

The Flying Machine (starting about 5:30 PM)  
510 Briscoe Blvd. NE  
Lawrenceville, GA  
([Directions](#))

The following members are celebrating birthdays in October:

---

**HAPPY BIRTHDAY!!**  
**From All of Us at GARS**

---

**Ray Bailey (N4GYN)**  
**Scott Brown (KD4YDD)**  
**Dale Burns (KI4MZO)**  
**Bob Busch (WD4BKD)**  
**Charles Corriveau (KD4YDB)**  
**Ken Edwards (WA4SQM)**  
**Paul Farley (K5PJF)**  
**Crystal Florea (KG4PYL)**  
**Xavier Hunter (KK4QCD)**  
**Becah Jubon (W3BEC)**  
**Helmut Krause (DL5MC)**  
**Charles Martin (KK4QCY)**  
**Vaden McDonald (NN4K)**  
**Fred Murphy (KG4VTF)**  
**Cathy Pierce (K1YMW)**  
**Robert (Bob) Pursley (WD4KQQ)**  
**Gary P Smith, II (AK4PT)**  
**Michael Weathers (ND4V)**  
**Russ Willard (KA4UUB)**

## GARS Membership

To become a GARS member, or to renew your GARS membership, please visit our website—<http://www.gars.org>

To make changes to your GARS membership (moved, new email address, new phone number, etc.), please email the Membership Committee - [membership@gars.org](mailto:membership@gars.org)

You can **renew or update** your Amateur Radio license information with the FCC at their website for free - <http://wireless.fcc.gov/uls/index.htm?job=home>

To update your ARRL information, please visit their website - <http://www.arrl.org>

Membership Chairman: Rick Cobb, N4XY  
Committee Members: Karen Albritton, KI4HPP; Richard Atkin, KJ4ZTY.



## NET MANAGERS CORNER

Hello Everyone from N4LNE, GARS Net Manager.

I want to thank everyone for taking the time to check in to the nets and I especially wish to thank the NCS and ANCS stations for their time and effort.

Please think about adding your name to the list as NCS or ANCS.

### Monday Night Net Stats

<u>DATE</u>	<u>CHECK INS</u>	<u>NCS</u>	<u>ANCS</u>
09/23/2013	28	Norm WA4ZXV	Rick KK4RMH
09/16/2013	x	Bill KK4AUA	None
09/09/2013	29	Kyle W4KDA	None
09/02/2013	25	Kevin KJ4SUJ	Bill KK4AUA

---

### Wednesday Night "Know It All" Net Stats

<u>DATE</u>	<u>CHECK INS</u>	<u>NCS</u>	<u>HOST</u>
09/25/2013	15	Jeff AB4HF	Larry WB4FGF
09/18/2013	28	Jeff AB4HF	Paul W4KLY
09/11/2013	15	Jeff AB4HF	Richard KK4RMH
09/04/2013	22	Jeff AB4HF	Norm WA4ZXV

73'

See you on the Nets!

*Phil,* N4LNE  
Net Manager



### TOPICS for the "KNOW IT ALL" Net - For October -

- 10-02 Radios Round Table
- 10-09 Screwdriver Antennas
- 10-16 Antennas
- 10-23 Tube Amplifiers
- 10-30 Digital Communications

Everyone is having great fun on this new net! Come join us and become a "KNOW IT ALL".

**TIME: 8:30 every Wednesday evening on the GARS repeater - 147.075, PL 82.5**



## ARRL CONTESTING INFO

### October

21-25 [School Club Roundup](#)  
26-27 [EME 50-1296 MHz-Round 1](#)

### November

2-4 [Nov. Sweepstakes – CW](#)  
16-17 [EME 50-1296 MHz-Round 2](#)  
16-18 [Nov. Sweepstakes – Phone](#)

### December

6-8 [160 Meter](#)  
14-15 [10 Meter](#)  
22 [Rookie Roundup–CW](#)

#### NOVEMBER

*November Sweepstakes - CW:* First full weekend in November, 2100 UTC Saturday through 0259 UTC Monday.

*November Sweepstakes - Phone:* Third full weekend in November, 2100 UTC Saturday through 0259 UTC Monday.

#### DECEMBER

*ARRL 160 Meter Contest:* First full weekend in December, 2200 UTC Friday through 1559 UTC Sunday.

*ARRL 10 Meter Contest:* Second full weekend in December, 0000 UTC Saturday through 2359 UTC Sunday.

*Rookie Roundup:* Third Sunday, 1800 UTC through 2359 UTC.



## HAMFEST CALENDAR

### Southeast US

**10/12/2013 | [Amateur Radio Club of Augusta Hamfest](#)**

**Location:** Blythe, GA

**Type:** ARRL Hamfest

**Sponsor:** Amateur Radio Club of Augusta

**Website:** <http://w4dv.org>

**10/19/2013 | [Al Brock Memorial Hamfest/Tailgate](#)**

**Location:** IRome, GA

**Type:** ARRL Hamfest

**Sponsor:** Northwest Georgia Amateur Radio Club

**Website:** <http://w4vo.org>

**11/02/2013 | [Georgia Section Convention \(Stone Mountain Hamfest & Computer Expo 2013\)](#)**

**Location:** Lawrenceville, GA

**Type:** ARRL Convention

**Sponsor:** Alford Memorial Radio Club

**Website:** <http://www.stonemountainhamfest.com>

**11/09/2013 | [Montgomery Hamfest 2013](#)**

**Location:** Montgomery, AL

**Sponsor:** Montgomery Amateur Radio Club

**Website:** <http://hamfest.w4ap.org/>

**02/22/2014 | [Dalton Hamfest](#)**

**Location:** Dalton, GA

**Type:** ARRL Hamfest

**Sponsor:** Dalton Amateur Radio Club

**Website:** <http://daltonhamfest.com>

**03/15/2014 | [Ellijay Ham Fest](#)**

**Location:** Ellijay, GA

**Type:** ARRL Hamfest

**Sponsor:** Ellijay Amateur Radio Society

**Website:** <http://www.w4hhh.org>



# BSA Venture Crew 73 Wants You!

IF YOU are between 14 and 21 years old, enjoy outdoor activities, and have an interest in radio technology,  
**Venture Crew 73 is for you.**

- Venture Crews are part of the Boy Scouts of America.
- *Venture crew 73 is chartered by the Gwinnett Amateur Radio Society.*
- Venture crew 73 is coed.
- *Meetings are on the second Tuesday of the month, 7:00 pm, at EAA 690 Hangar at:  
 Briscoe Field - Sports Aviation Complex  
 Hangar 1, 690 Airport Road  
 Lawrenceville, GA 30045*
- Crew 73 is a youth-run organization, which means that our Crew President and other youth plan the Crew's outings and activities each month.

*We enjoy:*

- ◊ *Camping*
- ◊ *Hiking*
- ◊ *Horseback Riding*
- ◊ *Shooting Sports*

- Crew activities usually mix high adventure and the use of Amateur Radio.
- For more information, attend our next meeting or contact:

**Steve Back, WB2OGY**

Venture Crew 73 Committee Chairman

Phone: 770-712-9069

Email: [committeechair@venturecrew73.org](mailto:committeechair@venturecrew73.org)

**Jeff Lee, AF4JL**

Venture Crew 73 Advisor

Phone: 678-475-3165

Email: [advisor@venturecrew73.org](mailto:advisor@venturecrew73.org)



## GARS Officers and Committee Chairs

Kyle Albritton, President	W4KDA	
Earl Whatley, Vice President	AF4FG	
Hal Collier, Secretary	W4IGE	
Ralph Pickwick, Treasurer, Apparel Manager	KJ4CNC	
Sandy Jackson, Program Manager	KJ4DRO	
Rick Cobb Membership Chairman	N4XYY	
Dave Bruse, VE Team	W4DTR	
David Adcock, Webmaster, Field Day Chairman	KA4KKF	
Dorothy Jubon, Public Information Officer	N2DLJ	
Norm Schklar, TechFest Chairman	WA4ZXV	
Ray Bailey, GARzette Editor	N4GYN	
Jeff Cutchins Multimedia Chairman	AB4HF	
John Ackermann, W4GR Trustee	N8UR	
Eddie Foust, Repeater Chairman	WD4JEM	
Mike Weathers, WAS-Checker, Historian	ND4V	
Phil McCleary, Net Manager, ELMER Chair	N4LNE	
Mike Swiderski, Technical Advisor	K4HBI	

## GARS Communications

2 Meter Repeater  
 147.075(+) MHz  
 82.5 PL Tone

APRS  
 144.390 -- 1200 Baud  
 W4GR

D-Star  
 WD4STR  
 145.060 + (1.4 MHz)  
 440.550 + (5 MHz)

Main Repeater Site  
 Oak Street,  
 Lawrenceville

2 Meter Repeater  
 147.255(+) MHz  
 107.2 PL Tone

6 Meter Repeater  
 53.110 (-1 MHz)  
 82.5 PL Tone

70 Cm Repeaters  
 444.525(+) MHz  
 82.5 PL Tone  
 442.100(+)  
 82.5 PL Tone

Backup Repeater Site  
 Lanier Mountain,



## Just for Fun

### ANAGRAMS

“Here Come Dots”  
is an anagram of  
“The Morse Code”

- - -

Via Bill—WB4WTN

“Rants Timer”  
is an anagram of  
“Transmitter”

- - -

Via Ray—N4GYN

“Real Zany” and “Near Lazy”  
are anagrams of  
“Analyzer”

- - -

Via Ray—N4GYN

“A Wave Sir”  
Is an anagram of  
“Air Waves”

- - -

Via Ray—N4GYN

### GARS Recurring Calendar

- ♦ Monthly club meeting is the 2nd Tuesday of the month at 7 pm
- ♦ Every Monday at 8 pm: GARS Want, Swap, Sell, and Information Net on the GARS 2-meter repeater
- ♦ Every Wednesday at 8:30 pm: GARS Know It All Net on the GARS 2-meter repeater
- ♦ Every Thursday at 9 pm: GARS Round Table Net, 2 & 6 Meters
- ♦ Every Saturday at 7:30 am: GARS Weekly Family Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville

## Meeting Minutes for September 10, 2013

- Kyle Albritton, W4KDA, President, called the meeting to order at 7:00 pm.
- First time visitors and special guests were recognized.
- Introductions were made by those present.
- Kyle announced the following:
  - Thank you to everyone who helped with the dog show.
  - The GARS QSL Card event went well and had several attendees
  - The Shy foxhunt will be Sept. 21st at 9:30am starting at the Golden Corral
- Bill Cherepy, WB4WTN, presented GARS 13 Colony award to Mike Weathers, ND4V.
- Steve Garrison, N4TTY, announced the Stone Mountain Hamfest on Nov 2-3.
- Earl Whatley, AF4FG, announced that GARS is looking for new officers and helpers for any activities,
- Steve Back, WB2OGY, gave a short presentation on the National Scout Jamboree.
- JOTA is being held on Oct.19 from 8am-4pm at the VFW post. There will be 2 merit badge classes and at least 2 HF stations.
- Kyle called for committee reports:
- Treasurer’s report – presented by treasurer, Ralph Pickwick, KJ4CNC
- Membership report – available in the *Garzette*. GARS currently has 256 members.
- Program Manager: The October meeting program will be "Antenna Modeling" by Jim Worthington, AD4V. The November meeting program will be the Massive Homebrew Show & Tell.
- Break
- The program for tonight was "Broadband-Hamnet" by Steve Garrison, N4TTY.
- Prize drawings were held.
- There were 64 attendees.
- The meeting was adjourned at 9:00.

*Hal*, W4IGE, Secretary



## Amateur Radio - Word Search Puzzle

J	Z	D	T	P	Q	K	K	K	X	H	O	W	S	V
D	F	B	I	W	O	E	X	E	L	C	G	M	Y	A
H	B	C	O	P	N	O	L	N	N	G	E	A	G	E
L	G	X	U	W	O	P	L	I	G	C	N	E	A	T
N	D	M	O	S	O	L	L	X	T	G	O	B	S	S
H	O	O	E	R	H	A	E	O	L	F	H	Q	E	E
R	D	I	B	R	R	C	W	M	Z	N	P	W	L	T
A	O	I	T	A	M	E	R	I	T	R	O	N	E	N
N	V	X	X	A	R	Y	L	A	N	R	R	Y	C	O
M	O	C	I	V	G	V	C	T	F	O	C	A	R	C
A	N	N	E	T	N	A	I	N	S	T	I	E	A	X
M	O	B	I	L	E	G	P	P	W	U	M	S	F	F
H	J	B	M	Z	A	Z	N	O	L	N	H	U	T	G
G	Y	F	Y	Y	F	E	F	B	R	R	O	D	J	S
T	V	Z	I	Z	G	J	I	T	Y	P	O	Y	L	L

ALINCO  
AMERITRON  
ANTENNA  
BEAM  
CONTEST  
CUSHCRAFT  
DIPOLE  
ELECRAFT  
HUSTLER  
ICOM  
KENWOOD  
LOOP  
MICROPHONE  
MOBILE  
PROPAGATION  
TOWER  
VIBROPLEX  
YAESU  
YAGI

*Provided by  
Bill Cherepy,  
WB4WTN*

## GARS CALENDAR OF EVENTS OCTOBER 2013

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
	1 6:30 pm - 8:00 pm GARS Exec Meeting	2 8:30 pm - 9:30 pm GARS Know-It-All Net	3	4	5 7:30 am - 9:30 am Breakfast at Golden Corral Riverside Drive	6
7 8:00 pm - 9:00 GARS 2m Net	8 5:00 pm - 6:30 pm Dinner at Flying Machine 7:00 pm - 9:00 pm GARS Meeting	9 8:30 pm - 9:30 pm GARS Know-It-All Net	10	11	12 7:30 am - 9:30 am Breakfast at Golden Corral Riverside Drive	13
14 8:00 pm - 9:00 GARS 2m Net	15	16 8:30 pm - 9:30 pm GARS Know-It-All Net	17	18	19 7:30 am - 9:30 am Breakfast at Golden Corral Riverside Drive	20
21 8:00 pm - 9:00 GARS 2m Net	22	23 8:30 pm - 9:30 pm GARS Know-It-All Net	24	25	26 7:30 am - 9:30 am Breakfast at Golden Corral Riverside Drive	27
28 8:00 pm - 9:00 GARS 2m Net	29	30 8:30 pm - 9:30 pm GARS Know-It-All Net	31			

Metro Testing Sessions	Ham Exam Results for September 8, 2013	Metro Club Meetings
<p><i>GARS publishes Metro Atlanta VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at <a href="http://www.arrl-ga.org">http://www.arrl-ga.org</a>.</i></p> <p><b>First Sunday, ODD Months</b> 2 pm (Jan, Mar, May, Jul, Sep, &amp; Nov) WCARS VEC Braselton Public Utility Building 4986 Highway 53, Braselton, GA Roger Gibson, WB4T (770) 271-4210 or (770) 712-9560 <a href="mailto:w4rlg@bellsouth.net">w4rlg@bellsouth.net</a></p> <p><b>First Sunday, EVEN Months</b> 2 pm (Feb, Apr, Jun, Aug, Oct, Dec) WCARS VEC Hall County EOC 470 Crescent Dr. Gainesville, Ga. Perry Roper, KO4RD (770) 536-3056</p> <p><b>Second Saturday, ODD Months</b> ARRL VEC 8:30 a.m. Stone Mountain Methodist Church 5312 West Mountain St. Stone Mountain Bob Varone, W4ETN (770) 978-3179</p> <p><b>Second Sunday</b> VEC: W5YI 2 pm Gwinnett County Fire Station #5 3001 Old Norcross Road Duluth, GA 30096 Contact: Dave Bruse, W4DTR Email: <a href="mailto:exams@gars.org">exams@gars.org</a></p> <p><b>Third Saturday</b> VEC: W5YI 3 pm (Except December) Auburn City Hall Council Room 1369 Fourth Avenue Auburn, GA Steve Donellan, N5SMD (404) 520-0368</p> <p><i>(cont. next column)</i></p>	<p>We had a great (but busy) exam session today.</p> <p>We tested 14 applicants. 13 out of 14 applicants passed.</p> <p><u>Ham exam session results:</u></p> <ul style="list-style-type: none"> <li>- 5 new Technicians</li> <li>- 6 upgraded to General</li> <li>- 2 upgraded to Extra</li> </ul> <p>Thanks to the VE's who made this exam session possible:</p> <ul style="list-style-type: none"> <li>- Sid Weaver, N4NQ (Co-CVE)</li> <li>- Don Bagby, KK4NJM</li> <li>- Rickey Cobb, N4XXX</li> <li>- Steven Back, WB2OGY</li> <li>- Frank Sauciunas, KF4TQV</li> <li>- Robert Pursley, WD4KQQ</li> </ul> <p>Thanks &amp; 73's,</p> <p><i>Sid Weaver,</i> N4NQ</p> <p>Email: <a href="mailto:exams@gars.org">exams@gars.org</a></p> <p>GARS VE Website: <a href="http://groups.yahoo.com/group/ARS_VE_Team/">http://groups.yahoo.com/group/ARS_VE_Team/</a></p>	<p><b>First Tuesday</b> Kennehoochee ARC Downtown Marietta Fire Station #1, Training Room 112 Haynes Street Marietta, Georgia 30060 Meeting begins at 7:00pm Talk In 146.880(-)</p> <p><b>First Thursday</b> Atlanta Radio Club Georgia Red Cross HQ 1955 Monroe Dr., Atlanta Meeting is at 7:30pm Talk In -146.820(-) N.E. Georgia ARC Commerce Public Library Meeting is at 6:30pm Talk In - 147.225(+) PL 123.0</p> <p><b>Second Monday</b> Georgia Tech ARC Room W218 Van Leer Electrical Engineering Bldg. Georgia Tech Campus Meeting at 7:00pm</p> <p><b>Second Thursday</b> Alford Memorial Radio Club Annistown Road Baptist Church Intersection of Annistown Rd &amp; Spain Rd Stone Mountain Dinner at 6:00pm Meeting at 7:30pm Talk In - 146.760(-)</p> <p><b>Second Saturday</b> North GA QRP Club Board Room of The Shepherd Center at 2020 Peachtree Rd, NW, Atlanta at 10:00 AM</p>
	<p><b>Fourth Tuesday</b> ARRL VEC 7 pm @ United Way Service Center 6279 Fairburn Rd., Douglasville Jessie Clower, KB4WFK (770) 942-6466</p> <p><b>Fourth Sunday</b> 2:30 pm Georgia Tech VanLeer Elec. Building Rm. W218, 777 Atlantic Dr. See <a href="http://www.w4aql.com">www.w4aql.com</a> Alexander G. Carver (404) 894-2936 <a href="mailto:acarver@ece.gatech.edu">acarver@ece.gatech.edu</a></p>	<p><b>Third Tuesday</b> North Fulton Amateur Radio League Masonic Lodge 194 Milton Avenue Alpharetta, Georgia meeting at 7:30pm Talk In - 145.47(-)</p> <p>For more, go to: <a href="http://www.gars.org/">http://www.gars.org/</a></p>



## A Big THANK YOU for an Excellent Presentation



Kyle, W4KDA (President) presents the Certificate of Appreciation to Steve Garrison, N4TTY.  
His presentation, at the September meeting, was about "Broadband-Hamnet"

### The GARzette

The *GARzette* is the official monthly newsletter of the Gwinnett Amateur Radio Society, serving its members and other persons interested in the advancement of the amateur radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriate publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible, bring your articles to the monthly meeting in Microsoft Word or rich text (.rtf) or text or HTML format or by email to [n4gyn@arrl.net](mailto:n4gyn@arrl.net). Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary.

In keeping with the amateur radio spirit, permission is hereby granted for the reproduction of The *GARzette* articles by other amateur radio club newsletters provided that proper credit is given to the individual author and *The GARzette*.

*The GARzette* is published each month with the assistance of Norm Schklar, WA4ZXV who prints copies for distribution at meetings, etc. and Dave Bruse, W4DTR, who distributes the news letter electronically.

Deadline for submissions is the 28th of each month for inclusion in the following month's issue.

For additional information view our Website at: <http://www.gars.org>

Newsletter Editor: Ray Bailey—N4GYN  
770-689-6620 or [editor@gars.org](mailto:editor@gars.org)



# Finally

A clog-free gutter  
with no fine print.



The leading clog-free gutter systems guarantee. You'll never have to clean your gutters again. Now, you can have clog-free gutters and no overshoot, guaranteed. The Real Gutter Protector's Waterloov® System uses a patented design that slows water more effectively and draws water in more completely, with smaller openings that keep out more debris. It works so well that we simply don't get service calls – even on metal or steep roofs, even in the heaviest rain.

<http://www.clogfreegutterprotector.com> Atlanta, Georgia - (770) 630-1582  
Greenville, Anderson, Seneca, South Carolina - (864) 757-4880



## GWINNETT COLLISION CENTER, INC.



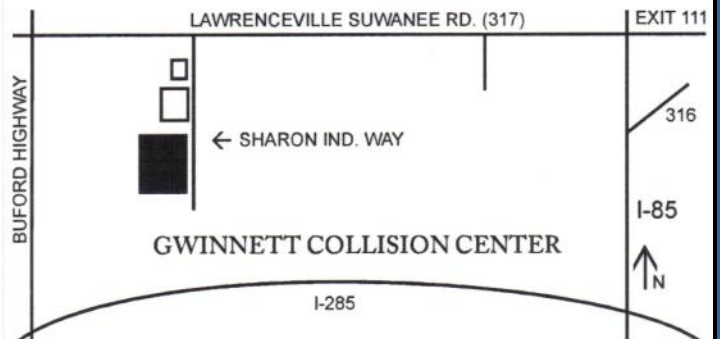
305 Sharon Industrial Way  
Suwanee, Georgia 30024  
770-945-0161

Import and Domestic  
Unibody and Frame Repair

MARTY FOWLER  
KE4MLH

See Map On Reverse

MARK JUSTICE



## PRUDENTIAL GEORGIA REALTY

SHARON ADCOCK

404-428-9127

[sharon@sharonadcock.com](mailto:sharon@sharonadcock.com)

You need an expert on your team  
when buying or selling real estate.  
10+ years experience of listening  
and filling YOUR needs.



**Prudential**  
Real Estate

[www.sharonadcock.prudentialgeorgia.com](http://www.sharonadcock.prudentialgeorgia.com)

GARS Specialist  
Top Negotiator  
Top Agent



Helping hams with the sale and purchase  
of their properties takes extra time, effort  
and dedication. Not every agent is willing  
to make that commitment. Call me for when  
you or your friends and family are ready to  
make a move

References available upon request.

YOUR AD GOES HERE

Contact Club Secretary  
Ralph Pickwick KF4CJC - [kj4cnc@arrl.net](mailto:kj4cnc@arrl.net)  
For Rates



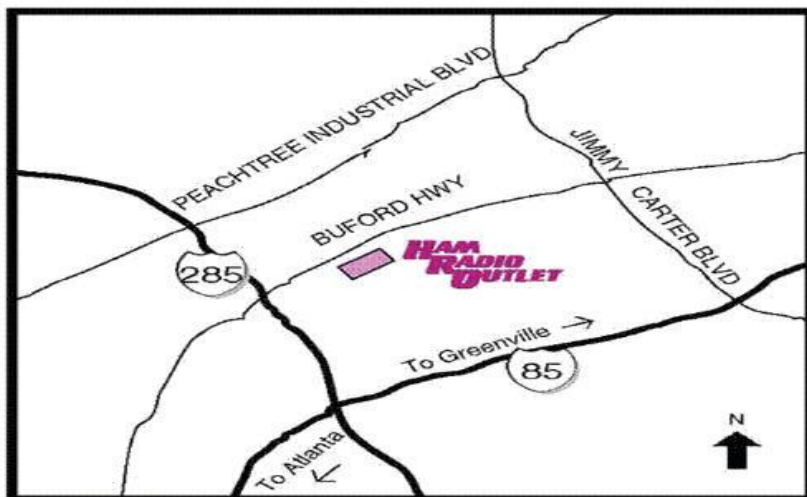
## WORLD WIDE DISTRIBUTION



Mark Holmes  
Manager  
KJ4VO

6071 Buford Highway  
Atlanta, GA 30340 (Doraville)  
770-263-0700 1-800-444-7927  
Fax: 770-263-9548  
e-mail: [atlanta@hamradio.com](mailto:atlanta@hamradio.com)  
hours: 10 a.m. - 5:30 p.m. Mon.-Sat.

John, KI4LMA    Bill, W5RQR    David, AI4XL    Tom, KB4HQA  
Dale, W4GCL    Jim, N1ABM    Josh, W4JDH    Brian, WD4DX



Alinco  
Icom  
Japan Radio Corp.  
Premier  
ADI  
Yaesu  
Alpha Delta  
Arrow  
Butternut  
Create  
Kenwood  
Tarheel  
Heil  
West Mountain

Cushcraft  
Diamond  
Force 12  
Hustler  
Hy-Gain (Telex)  
KLM  
Larsen  
M2  
Valor  
Van Gorden  
MFJ  
Ameritron  
Comet

YOUR AD GOES HERE...



**HAM RADIO**  
**RULES**